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**Mendel and Basic Genetic Crosses Vocabulary Worksheet**

Pre-AP Biology, Mrs. Krouse

**Directions:** This worksheet goes along with your Unit 7, Part 1 Notes. Complete the questions below thoroughly and accurately.

1. Explain how the following terms are related in your own words—genes, homologous pair of chromosomes, locus, and alleles.
2. Explain the difference between the following terms in your own words—genotype and phenotype.
3. Explain the difference between the following terms in your own words—dominant allele and recessive allele.
4. Explain the difference between the following terms in your own words—homozygous and heterozygous.
5. Explain how a zygote ends up with two alleles for a particular gene in your own words. Use the terms meiosis, gametes, and fertilization in your answer.
6. Explain the difference between the following terms in your own words—pollen and egg.
7. Explain the difference between the following terms in your own words—stamen and pistil.
8. Explain the difference between the following terms in your own words—P, F1, and F2 generations.
9. Explain the difference between the following terms in your own words—cross-pollination and self-pollination.
10. Explain the difference between the following terms in your own words—Mendel’s Law of Segregation and Mendel’s Law of Independent Assortment.